



**Pan American
Health
Organization**



*Regional Office of the
World Health Organization*

Noncommunicable Disease Surveillance

PAHO/WHO Interprogrammatic Working Group

(September 2007)

Development & strengthening of chronic disease and risk factor surveillance systems

Surveillance



To encourage and support the development and strengthening of countries' capacity for better surveillance of chronic diseases, their consequences, their risk factors, and the impact of public health interventions.

Focus on strengthening the following capacities in the countries, subregions and the Region

- Ongoing systematic collection of reliable, comparable, and quality data;
- timely and advanced analysis;
- dissemination and use of analysis results for national policy and program planning and evaluation,
- technical competency of the surveillance workforce, and
- novel thinking and innovation.

Ongoing systematic collection of reliable, comparable, and quality data

Data availability

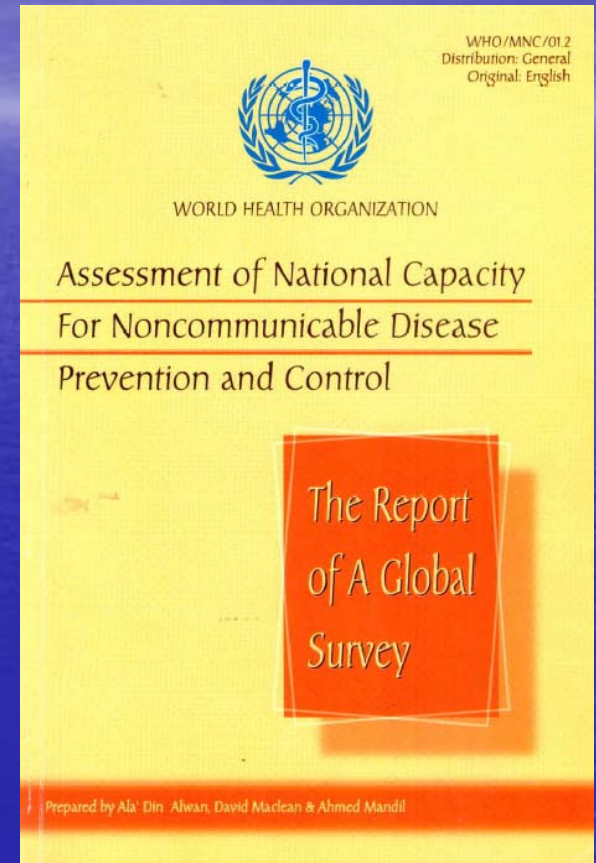
- 1 country without data on continuous basis on Mortality (PAHO WHO mortality Base)
- *6 countries with problems in assessing mortality trends*
- 4 countries without data on specific mortality for CNCDs (PAHO Basic Data initiative)

Quality

- *Sub register in mortality range from 15-50%*
- 35 countries have data on one RF (WHO info Base)
- *10 countries have realized at least one survey on RF*

National Reporting System and Surveillance

- National health information system 25
- Includes CNCD 17
- Includes some RF 17
- Includes Mortality 25
- Includes prevalence 20
- Routine surveillance system that includes CNCDs 6



Encuesta global sobre capacidad nacional de respuesta a ECNT-2005—resultados no publicados

Need for analysis, construction of indicators, following trends over time

Decision to build on existing PAHO-WHO initiatives:

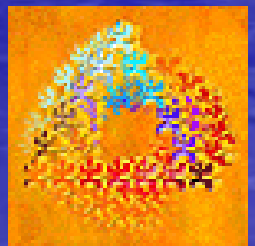
- WHO STEPS and InfoBase
- PAHO Core Data Initiative
- CAREC proposal for minimum list
- PAHO program for improvement of vital and health statistics
- The **output of the meeting** of this working group should be a proposal for basic/minimum list of indicators for NCD in the Region to be presented at broader meeting of NCD unit, PAHO, WHO and partners, regarding implementation of Line of Action for NCD surveillance.

Advances ... in implementation

Situation analysis in preparation (country capacity, data availability, quality, integration within the country or sub country level, etc)

Interprogrammatic Working group

- **Proposal for a set of basic indicators, optimal and desired for CNCD surveillance (based on the proposal of the Caribbean, PAHO Basic data initiative and proposal for indicators from Canada, CDC, Brazil and Mexico) and manual**
- **Regional Consultation with countries on the proposal in the Biennial CARMEN Meeting, 6-9 November 2007**
- **Pilot in six countries**



Group Members

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Scope

Behavioral RF

- * Tobacco
- * Alcohol
- * Physical inactivity
- * Nutrition

Physiological RF

- * BMI
- * Blood pressure
- * Blood glucose
- * Cholesterol

Disease Outcomes

- * Heart disease
- * Stroke
- * Diabetes
- * Cancer
- * Respiratory Diseases

The Causal Chain

Goals

- To estimate future disease burden in the population based on both current risk factor prevalence and analysis of health service utilization patterns.
- To provide information on the distribution and trends for determinants and outcomes.

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Goals

- To inform allocation of resources and services.
- To provide, evidence of effectiveness of interventions.
- To provide profiles of sub-populations with elevated risk; estimates the burden of a disease in a population, and associated health care utilization.

Final Criteria

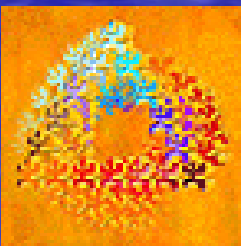
- Include conditions for which surveillance can effectively lead to prevention.
- Minimum list, second line, third line.
- Understood by people who need to act.
- Information will galvanize action.
- Actions that can lead to improvement are known and feasible.
- Measurements over time will reflect results of actions.

METHODOLOGY

- Formation of inter programmatic group
- Monthly meetings
- CAREC Draft List of Indicators
- Canada List of Indicators
- CDC List of Indicators
- PAHO 's documents
- Definitions: CORE, EXPANDED, OPTIONAL

Expected Results by 2008

- *Basic Data on CNCD (minimum list) for 2008*
- Partnership for implementation of Line of action confirmed members (CDC, PHAC, AMNET, WHO, CAREC, Inter American Heart Foundation, WB, IDB) to meet at Biennial CARMEN meeting **(Partners meeting in December 2007)**
- First Regional report on CNCDs
- InfoBase
- PAHO program for quality improvement of vital and health statistics



Products

- Manual for Surveillance
- Inclusion of Social Determinants
- Inclusion of Sections from National Capacity Survey

